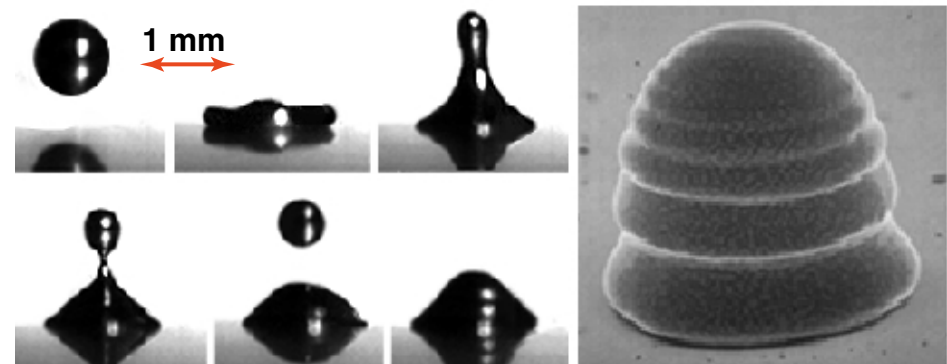
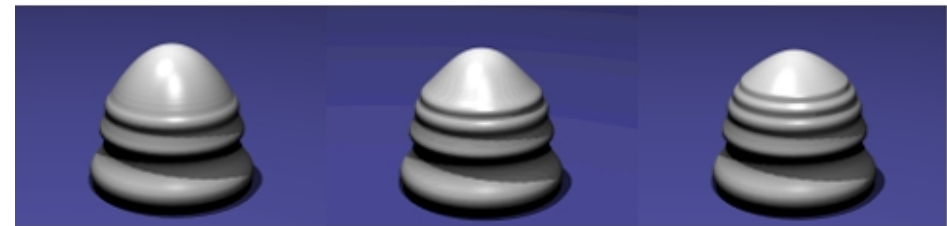
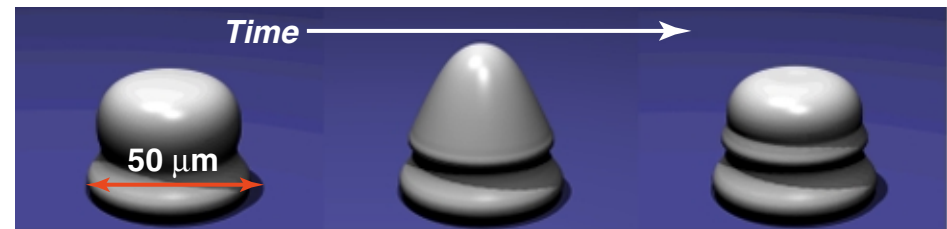




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## Capillary Surface Dynamics and Solidification: Application to Solder Jetting

- **Commercial application** – precision dispensing of liquid metal solder for microelectronic component fabrication
- **Low gravity experiments** enables quantitative measurement of impact dynamics due to increased droplet size. Dynamic similarity principles allow extrapolation to (smaller) practical length scales
- **Collaboration** between MicroFab Technologies, Motorola and NASA funded investigators at the University of Illinois at Chicago and NCMR



**Time** →

← **50 μm** →